



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **2001273100**(22) Date of filing: **10.09.2001**(71) Applicant: **CANON INC**(72) Inventor: **YAMAMOTO AKIRA****(54) LIGHT SOURCE UNIT, IMAGE DISPLAY DEVICE, AND OPTICAL INSTRUMENT****(57) Abstract:**

PROBLEM TO BE SOLVED: To provide a light source unit that can reduce the diameters of light rays emitted from light sources without using any complicated configuration and, at the same time, can synthesize a plurality of colors of light rays without requiring precise optical axis alignment.

SOLUTION: This light source unit is provided with a plurality of light sources 11-13 and an optical element 17 having a reflecting surface 15 which emits at least part of light rays made incident from the light sources 11-13 by reflecting the light rays. In this unit, the light

emitting area of the optical element 17 is made smaller than the area of the light incident plane of the element 17. By using the light ray emitted from the very small light emitting section of the light source unit, a high-resolution two-dimensional image is formed through the scanning operation of an optical scanning means.

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